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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,602	11/09/2001	Franck Le	60282.00330	5998

32294 7590 02/21/2006

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EXAMINER

HOANG, THAI D

ART UNIT	PAPER NUMBER
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2668

DATE MAILED: 02/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

RL

Office Action Summary

Application No.

09/986,602

Applicant(s)

LE ET AL.

Examiner

Thai D. Hoang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 28-54 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 28-34, 47 and 49-54 is/are allowed.
- 6) ☒ Claim(s) 35-38 is/are rejected.
- 7) ☒ Claim(s) 39-46 and 48 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

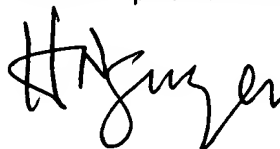
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.



**HANH NGUYEN
PRIMARY EXAMINER**

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 04/13/2004.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

Claims 37-38 are objected to because of the following informalities:

Claim 37-38, the statement "said communication networks" found no basic.

Previous claims did not define what communication networks; therefore, the word, "said" is grammatically incorrect.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 35-38 are rejected under 35 U.S.C. 102(e) as being unpatentable by
Crosbie, US Patent Application Publication 2002/0085719 A1.

Regarding claims 35 and 37-38, Crosbie discloses a Method and system for enabling centralized control of wireless local area networks. Crosbie teaches the system comprises:

a network 20, wherein a roaming server using Bluetooth device address BD_ADDR (permanent network address), and active member of a piconet address AM_ADDR (temporary network address). In another example, when the system is

implemented for an IEEE 802.11 wireless technology, the Crosbie's system using a MAC address (permanent network address), and Association Identifier address AID (temporary network address); paragraph [0049] (at least a first communication network wherein a respective node communicating via said communication network system is identified by its permanent network address and addressable by a temporary network address)

a roaming server 22; see figure 2 (at least one server entity)

a plurality of access point 24s; see figure 2 (a plurality of agent entities)

Crosbie teaches that when the device is roaming, the roaming server 22 directs the access point 24-2 to establish a relationship or connection 30-2 with the subject mobile device 26. The roaming server 22 must have some indication from the access point 24-2 that the mobile device 26 is moving within range of that access point 24-2. It indicates that the roaming server has a record of the plurality of access points and their location in the network 20; paragraph [0041] (each of said at least one server entity maintains a record of said plurality of agent entities and their location within the network system.)

Regarding claim 36, Crosbie teaches that when the device is roaming, the roaming server 22 directs the access point 24-2 to establish a relationship or connection 30-2 with the subject mobile device 26. The roaming server 22 must have some indication from the access point 24-2 that the mobile device 26 is moving within range of that access point 24-2. It indicates that the access point is derivable based on a network domain to which the access point is assigned. Further, Crosbie disclose a number of

mobile devices 26 are limited by the address range within the subnet associated with that access point 24; paragraph [0037] (wherein said respective location of said agent entities is derivable based on a network domain to which the agent entity is assigned, the domain being represented by a network address range in the network.)

Allowable Subject Matter

Claims 39-46 and 48 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 28-34, 47 and 49-54 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Crosbie, US Patent Application Publication 2002/0085719 A1, discloses a Method and system for enabling centralized control of wireless local area networks. Crosbie does not teach or fairly suggest the following features, which are recited in the independent claim 28 of the present application:

A method for providing location privacy for a terminal node in communication with a communication partner node in a communication network system comprising at least a first communication network, wherein a respective node communicating via said communication network system is identified by its permanent network address and is addressable by a temporary network address, at least one server entity, a plurality of agent entities, wherein each of said at least one server entities maintains a record of

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said plurality of agent entities and their respective location within the network system,
said method comprising the steps of:

selecting, at said at least one server entity, a specific one of said plurality of agent entities, based on data maintained in said record of said server entity and said temporary network address of said requesting terminal node as recited in claim 28.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following references are cited to further show the state of the art with respect to the application:

US Patent No. 6,982,967 B1, Lueng, "Methods and apparatus for implementing a proxy mobile node in a wireless local area network."

US Patent No. 6,891,820 B1, Pham et al., "Utilization of the internet protocol to facilitate communication involving mobile devices."

US Patent No. 6,535,493 B1, Lee et al., "Mobile internet communication protocol."

US Patent No. 6,804,720 B1, Vilander et al., "Mobile internet access."

US Patent No. 5,572,528 A, Shuen, "Mobile networking method and apparatus."

US PG-Pub 2002/0080752 A1, Johansson et al., "Route optimization technique for mobile IP."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D. Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TH

Thai Hoang

A handwritten signature in black ink, appearing to read 'H. Nguyen'.

HANH NGUYEN
PRIMARY EXAMINER